

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044951.D
 Acq On : 25 Mar 2020 5:57
 Operator : CG/JU
 Sample : L2011-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-BC-IBC

Quant Time: Mar 25 08:10:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	81659	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	310587	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	209839	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	476225	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	466577	20.00	ng	-0.02
87) Perylene-d12	24.89	264	497797	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	641129	122.22	ng	0.00
7) Phenol-d6	7.20	99	800485	105.03	ng	0.00
23) Nitrobenzene-d5	9.20	82	664322	93.86	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	446643	162.56	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1372642	93.68	ng	0.00
79) Terphenyl-d14	20.03	244	2223866	89.16	ng	0.00

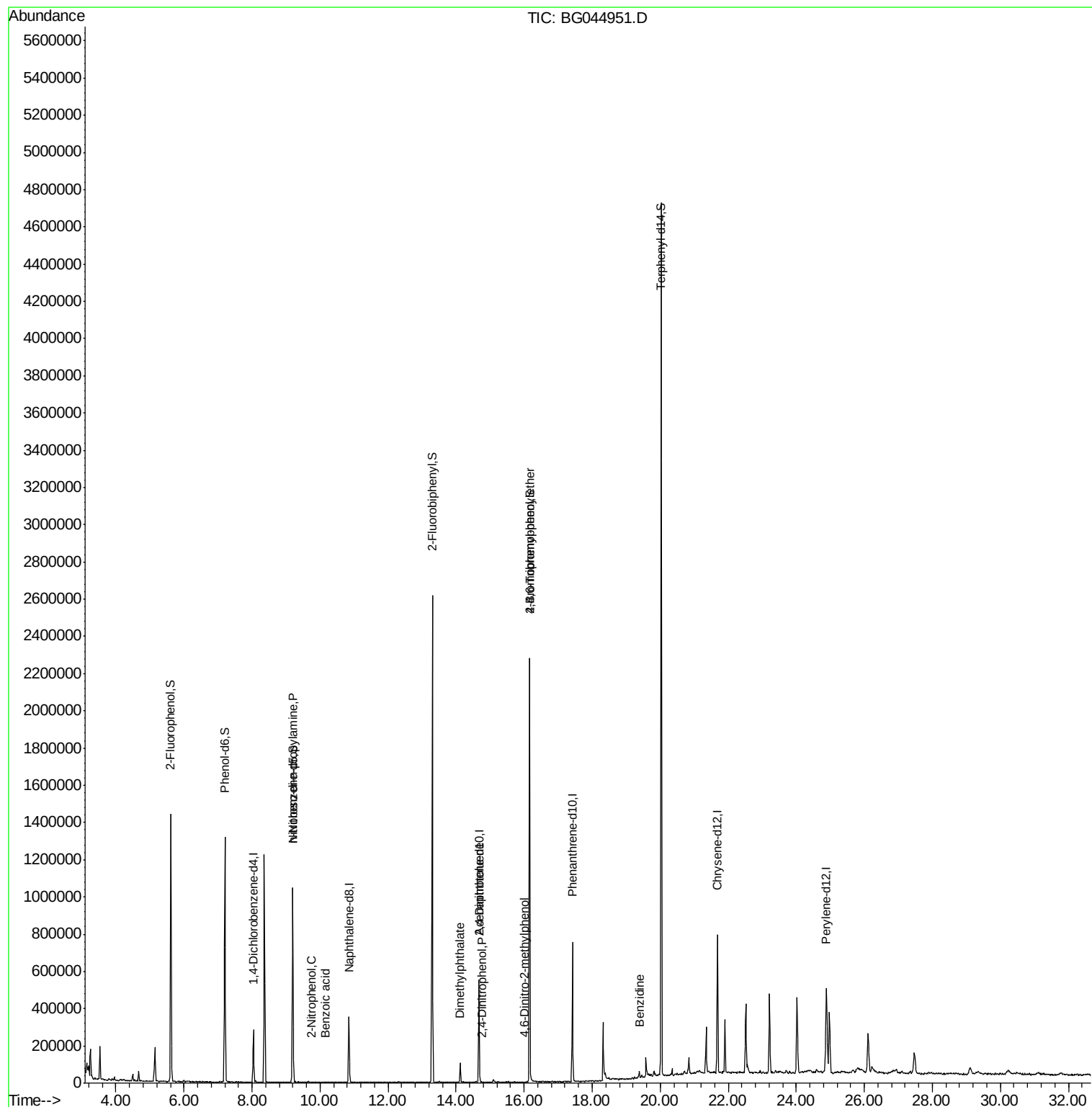
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1741	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	90492	16.81	ng	73
26) 2-Nitrophenol	9.76	139	55	5.53	ng	28
32) Benzoic acid	10.16	122	84	9.69	ng	1
50) Dimethylphthalate	14.12	163	73841	4.42	ng	98
54) 2,4-Dinitrophenol	14.76	184	97	8.37	ng	39
57) 2,4-Dinitrotoluene	14.67	165	26392	5.71	ng	25
65) 4,6-Dinitro-2-methylphenol	16.01	198	57	7.75	ng	14
67) 4-Bromophenyl-phenylether	16.16	248	31468	5.29	ng	1
77) Benzidine	19.39	184	33019	2.18	ng	81

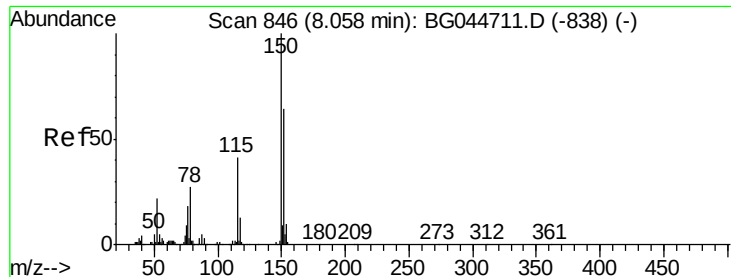
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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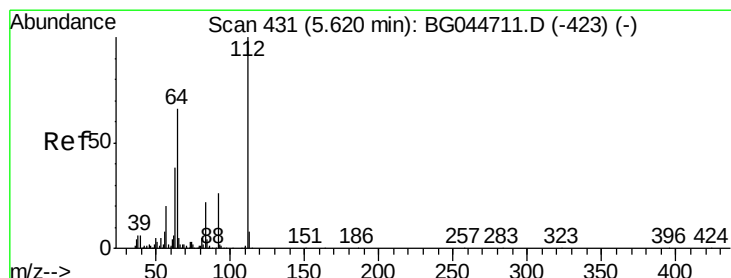
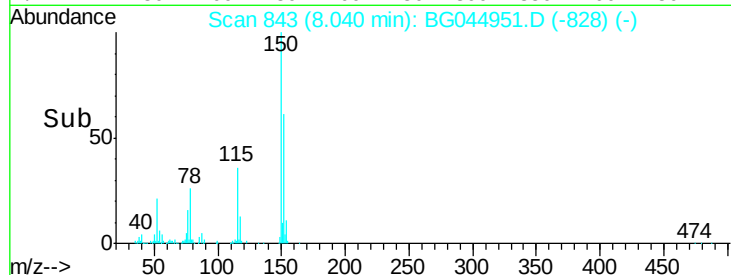
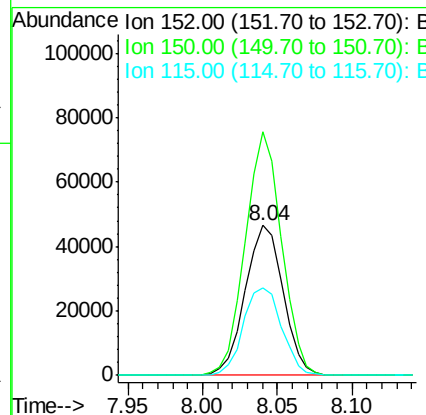
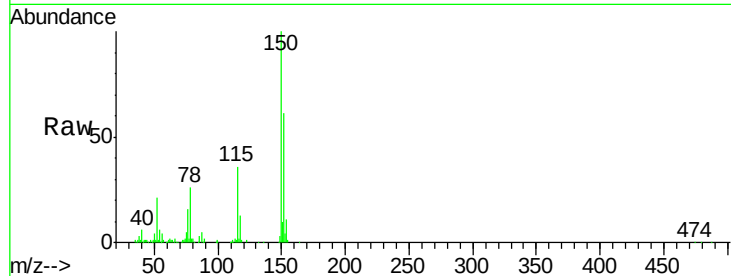


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG044951.D
 Acq: 25 Mar 2020 5:57

Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-BC-IBC

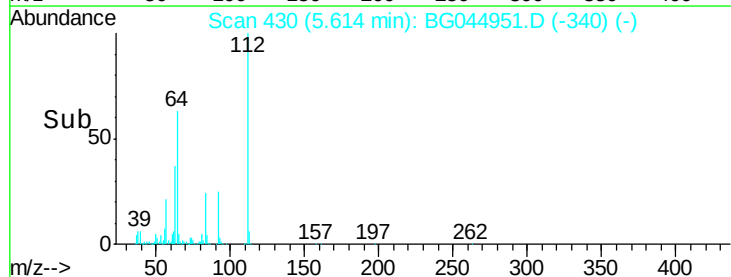
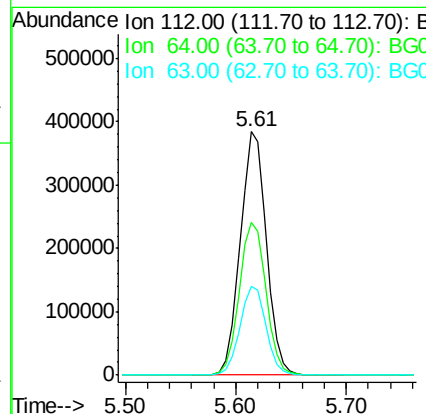
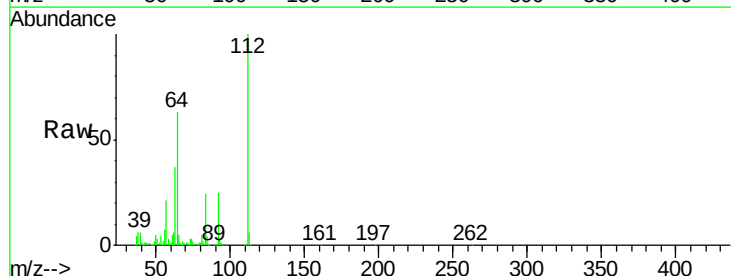
Tgt Ion:152 Resp: 81659
 Ion Ratio Lower Upper
 152 100
 150 162.7 128.8 193.2
 115 58.6 52.6 79.0

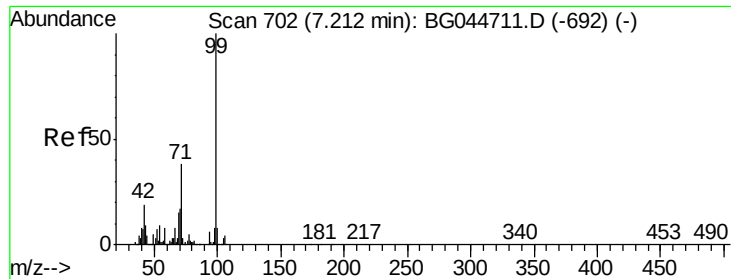


#5

2-Fluorophenol
 Concen: 122.22 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044951.D
 Acq: 25 Mar 2020 5:57

Tgt Ion:112 Resp: 641129
 Ion Ratio Lower Upper
 112 100
 64 62.7 53.4 80.2
 63 36.6 29.4 44.2





#7

Phenol-d6

Concen: 105.03 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-BC-IBC

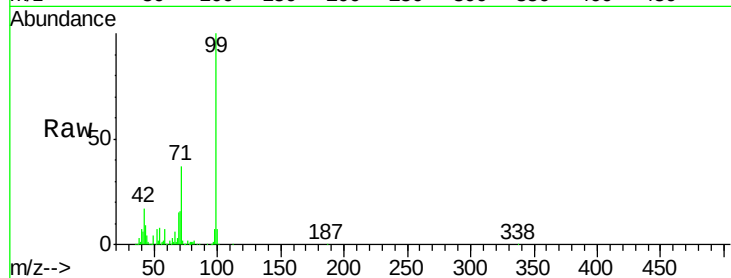
Tgt Ion: 99 Resp: 800485

Ion Ratio Lower Upper

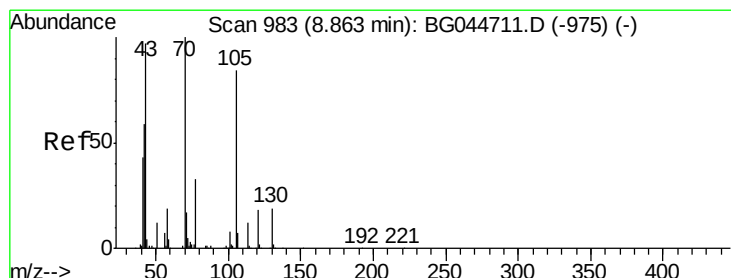
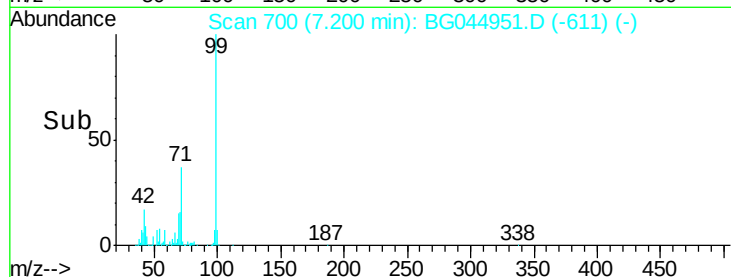
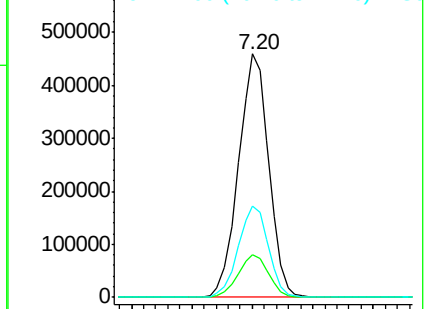
99 100

42 17.3 12.6 19.0

71 37.4 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.81 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

Tgt Ion: 70 Resp: 90492

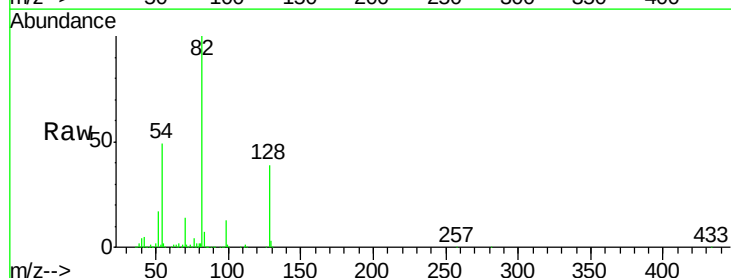
Ion Ratio Lower Upper

70 100

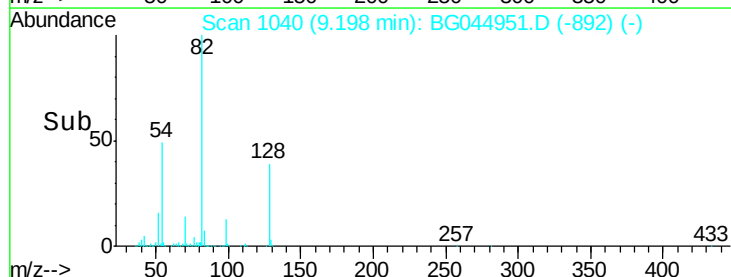
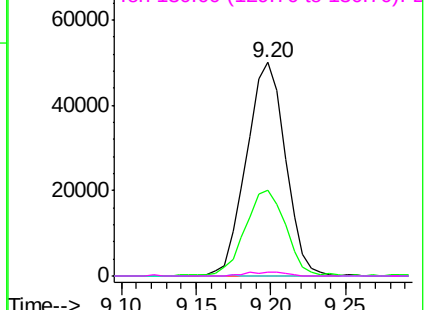
42 40.3 45.7 68.5#

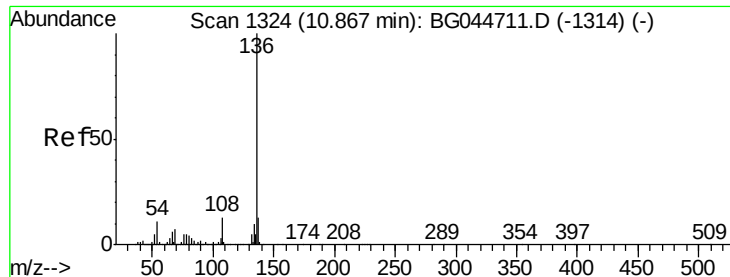
101 0.0 7.4 11.2#

130 2.0 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

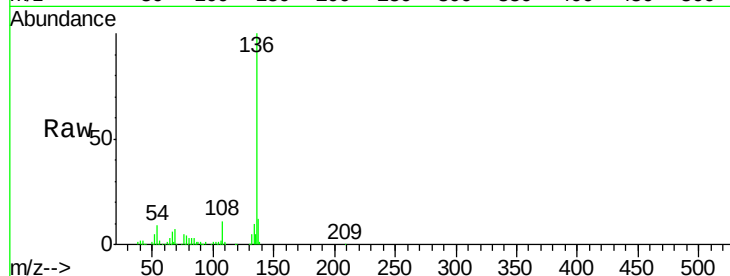




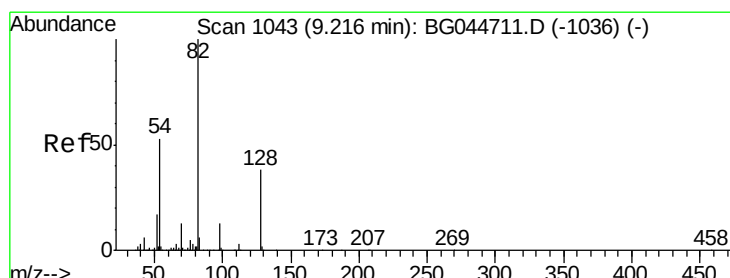
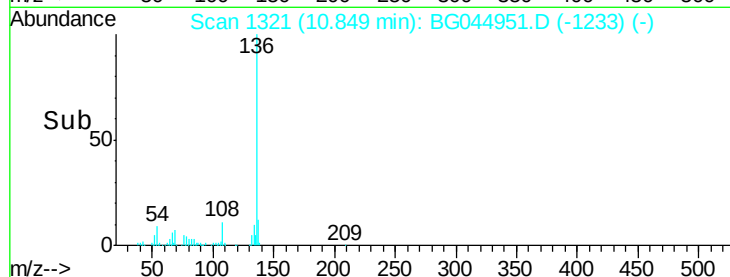
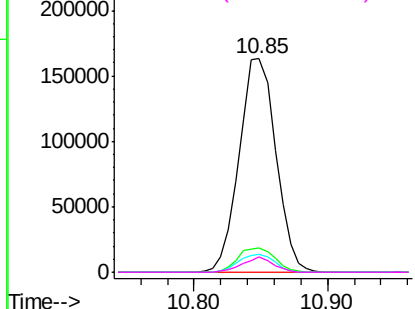
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-BC-IBC

Tgt Ion:	136	Resp:	310587
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.6
54	8.5	7.9	11.9
68	6.9	5.4	8.0

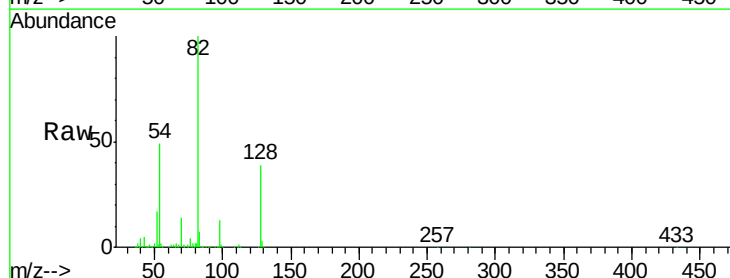


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

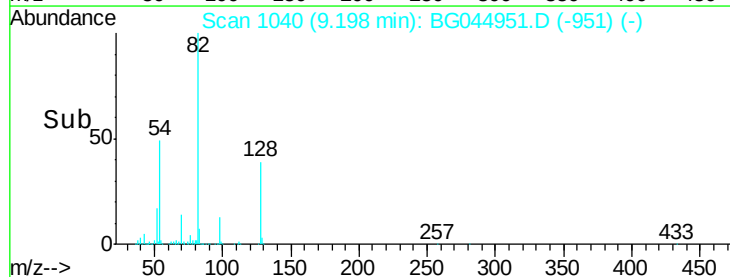
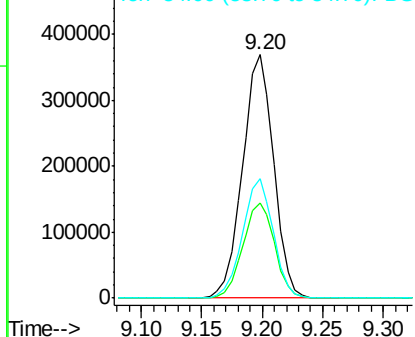


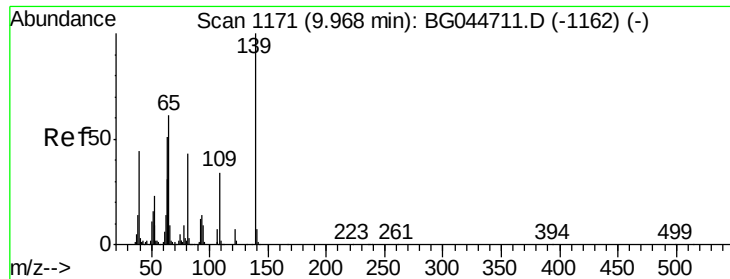
#23
Nitrobenzene-d5
Concen: 93.86 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Tgt Ion:	82	Resp:	664322
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.6	46.0
54	49.0	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

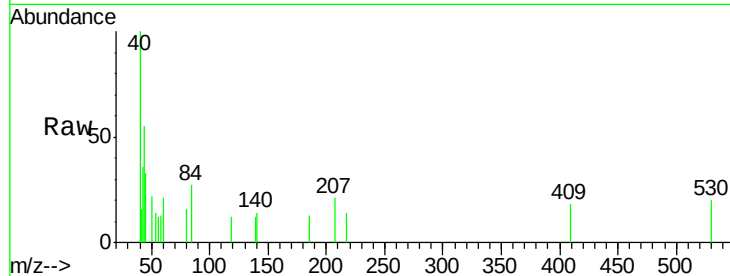




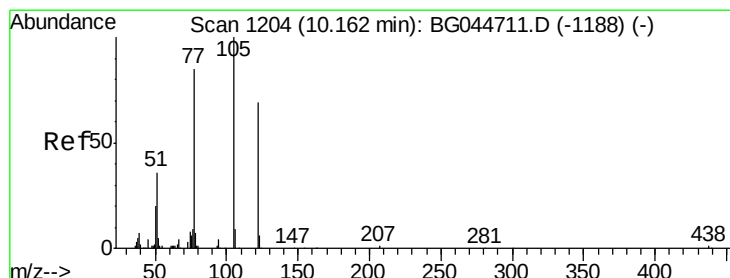
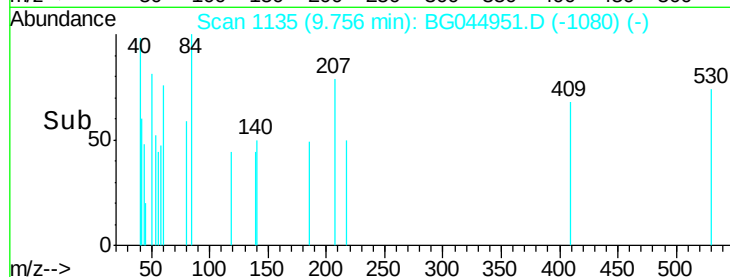
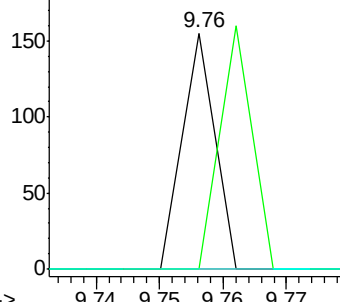
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.76 min Scan# 1135
Delta R.T. -0.21 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-BC-IBC

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

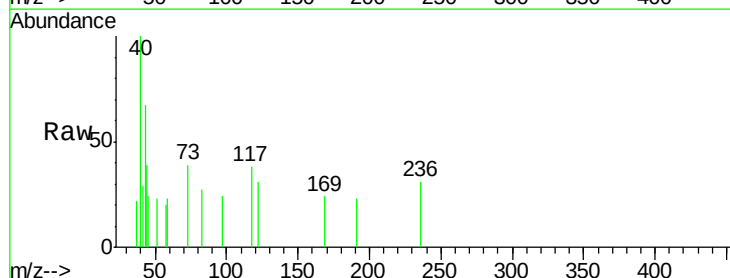


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

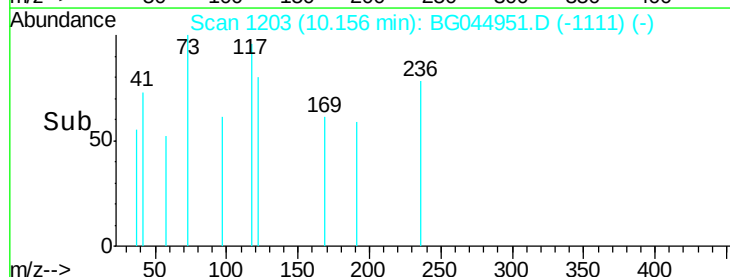
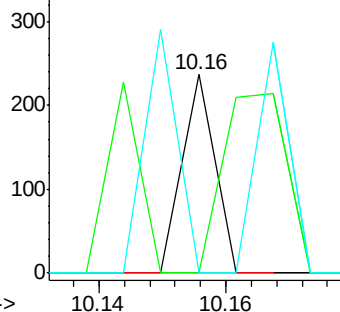


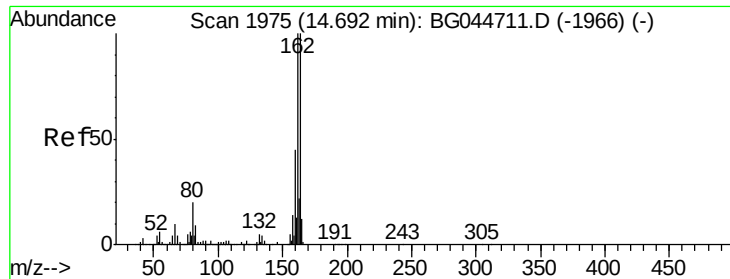
#32
Benzoic acid
Concen: 9.69 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-BC-IBC

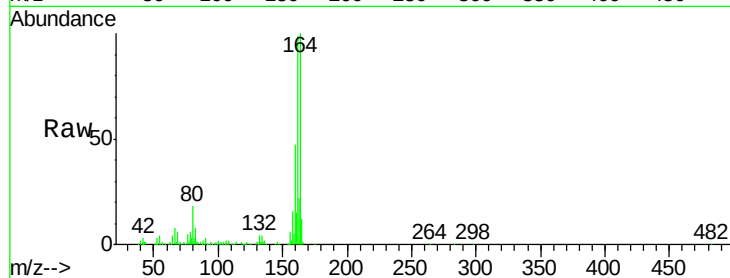
Tgt Ion:164 Resp: 209839

Ion Ratio Lower Upper

164 100

162 98.7 76.7 115.1

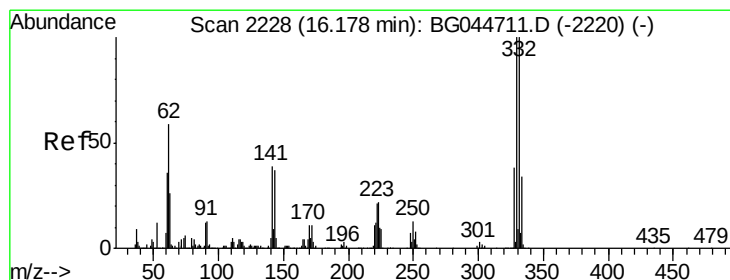
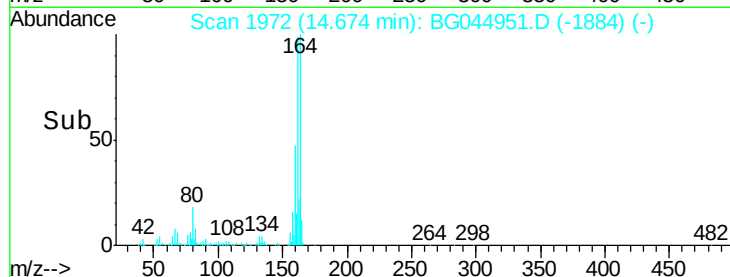
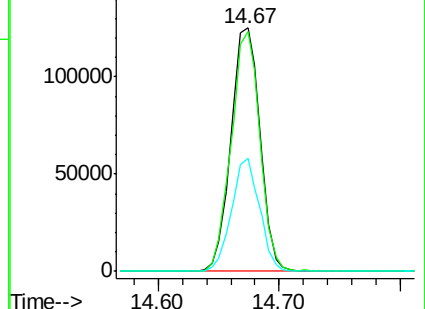
160 46.6 35.0 52.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 162.56 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

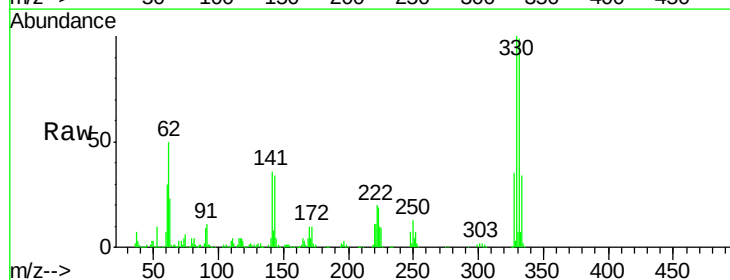
Tgt Ion:330 Resp: 446643

Ion Ratio Lower Upper

330 100

332 98.0 77.8 116.6

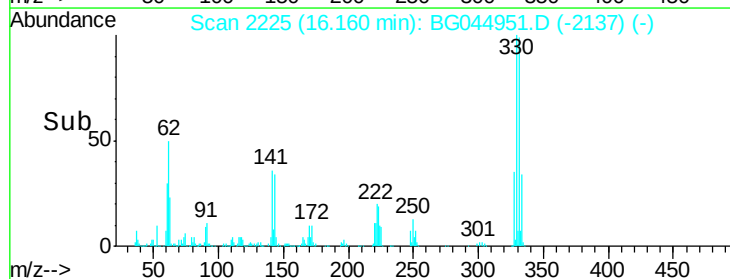
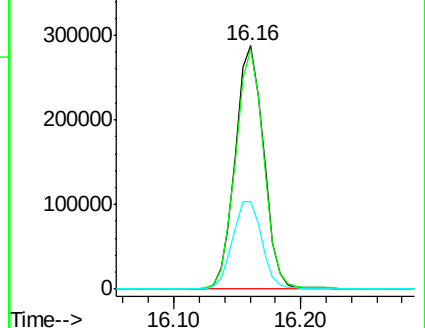
141 37.2 29.5 44.3

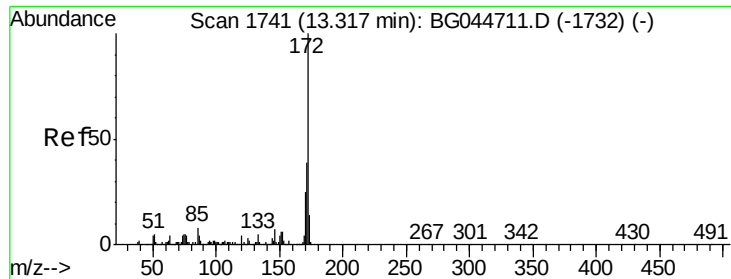


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

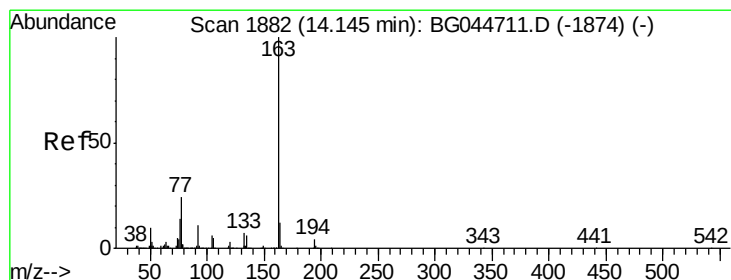
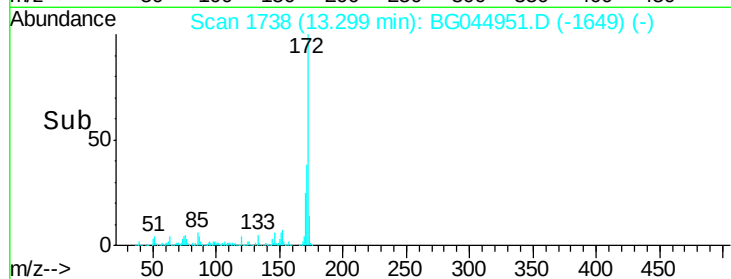
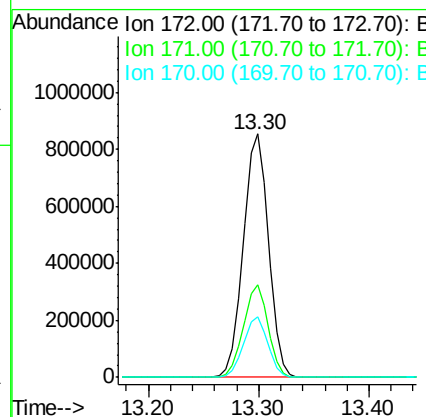
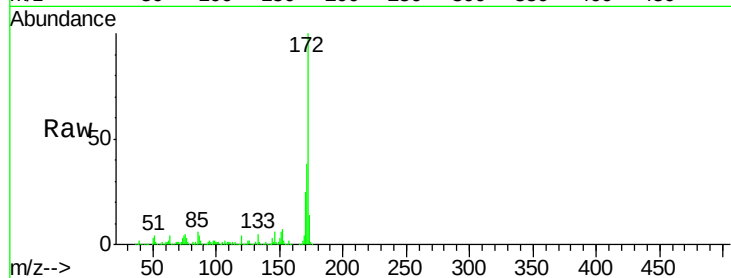




#45
2-Fluorobiphenyl
Concen: 93.68 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

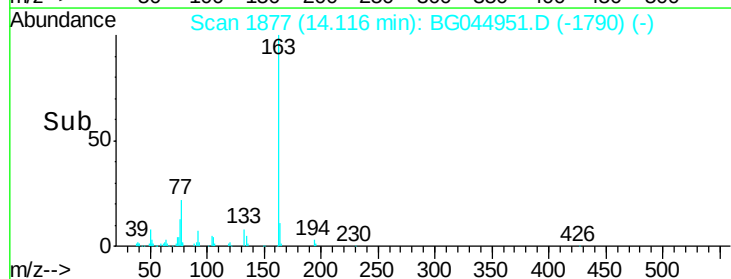
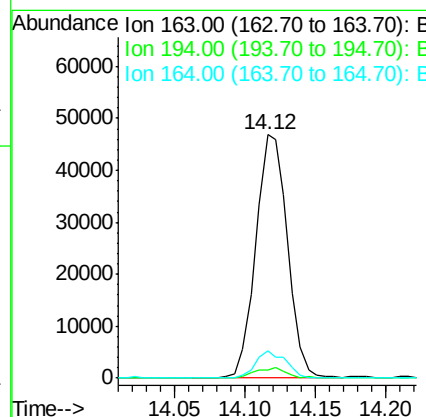
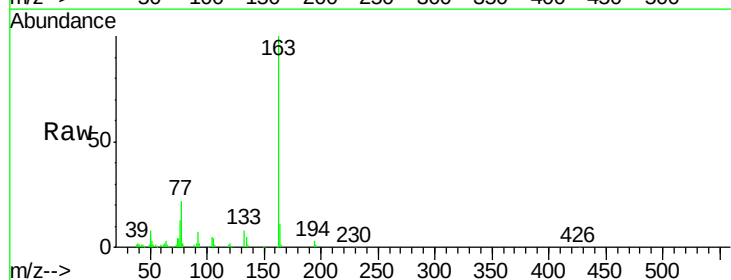
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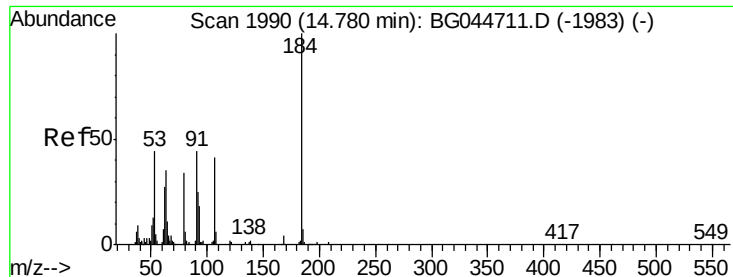
Tgt Ion:172 Resp: 1372642
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 25.1 19.0 28.6



#50
Dimethylphthalate
Concen: 4.42 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Tgt Ion:163 Resp: 73841
Ion Ratio Lower Upper
163 100
194 3.2 3.7 5.5#
164 11.0 9.1 13.7

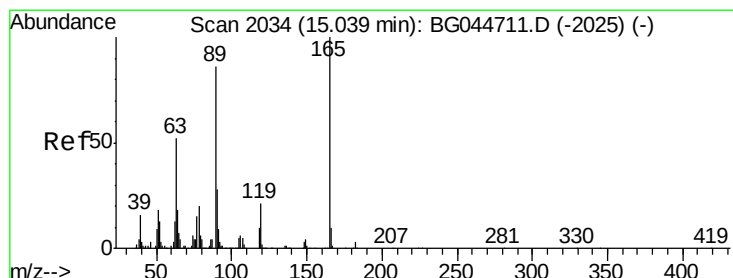
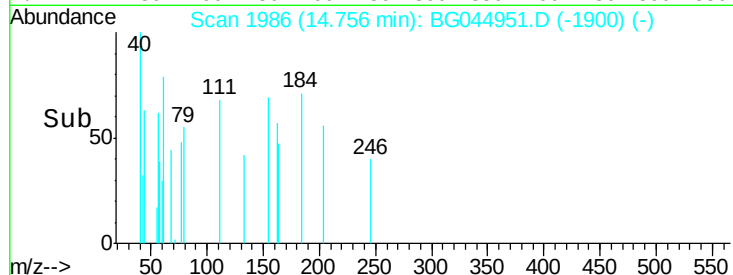
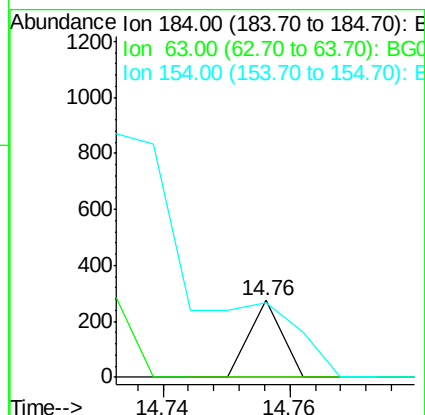
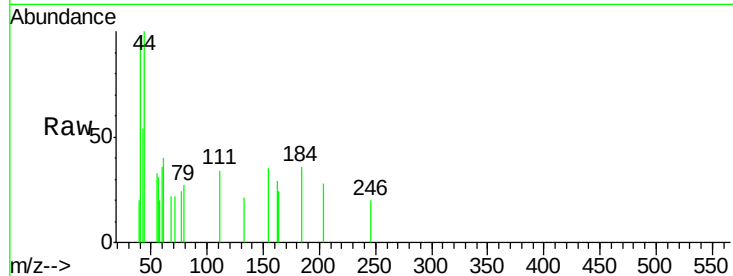




#54
2,4-Dinitrophenol
Concen: 8.37 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

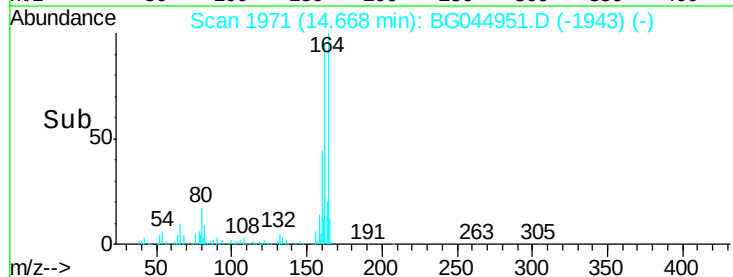
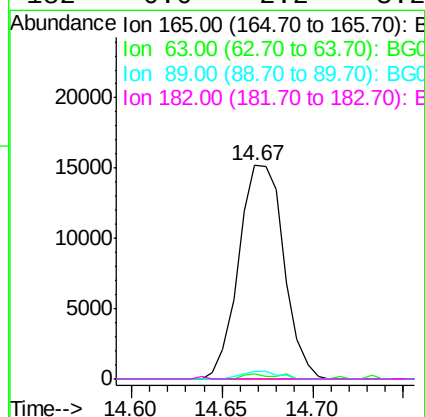
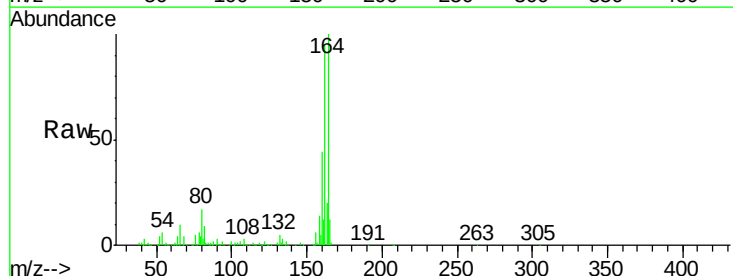
Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-BC-IBC

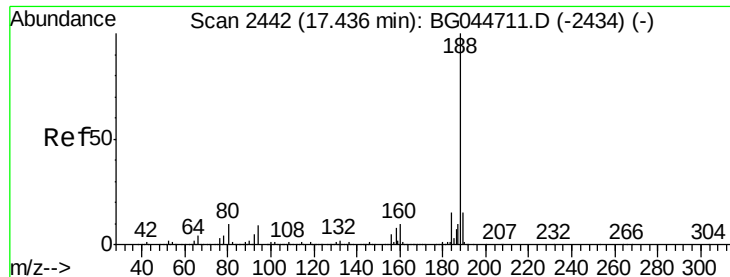
Tgt Ion:184 Resp: 97
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 96.7 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.71 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.36 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Tgt Ion:165 Resp: 26392
Ion Ratio Lower Upper
165 100
63 2.6 34.6 52.0#
89 3.7 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-BC-IBC

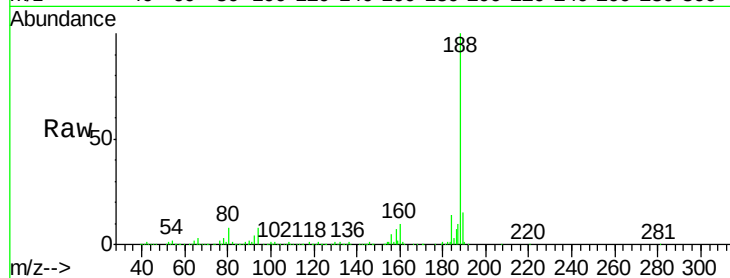
Tgt Ion:188 Resp: 476225

Ion Ratio Lower Upper

188 100

94 8.0 7.3 10.9

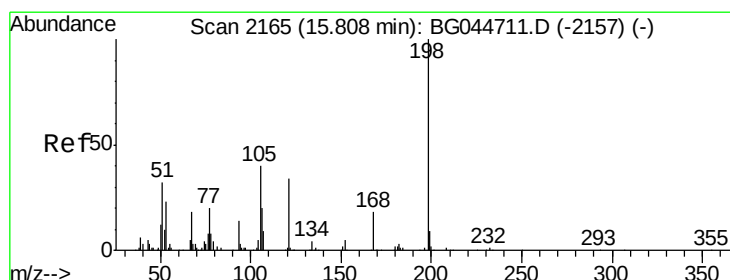
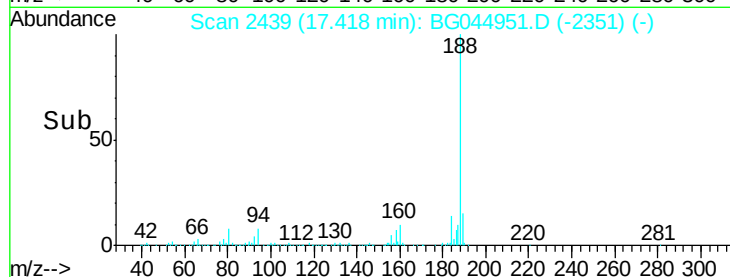
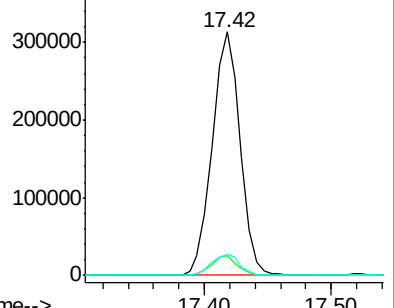
80 8.5 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 16.01 min Scan# 2200

Delta R.T. 0.22 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

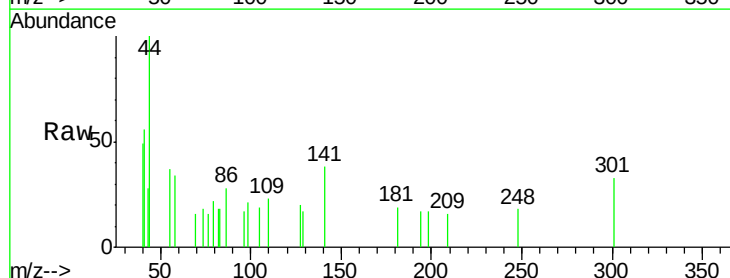
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

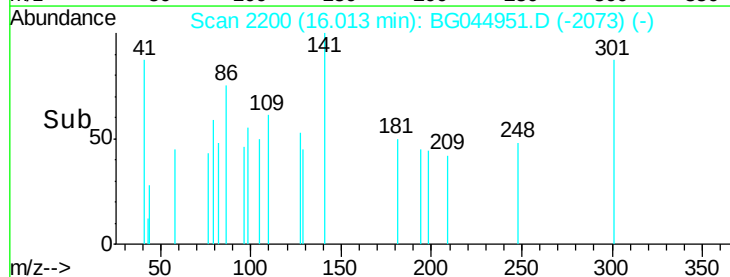
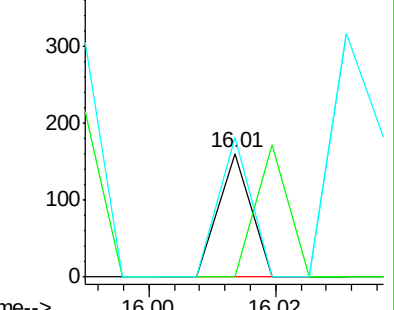
105 113.0 24.5 64.5#

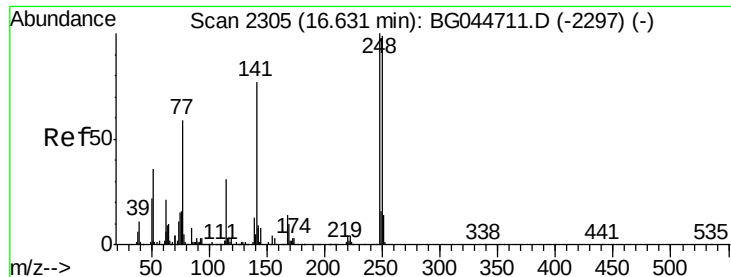


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

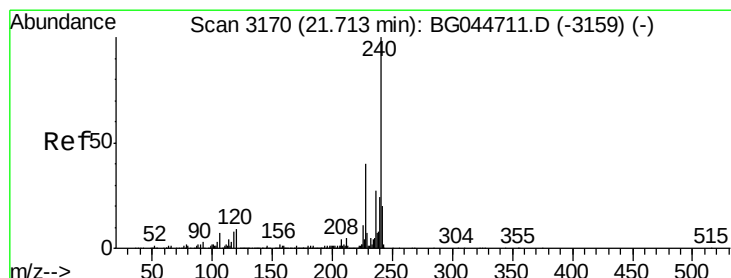
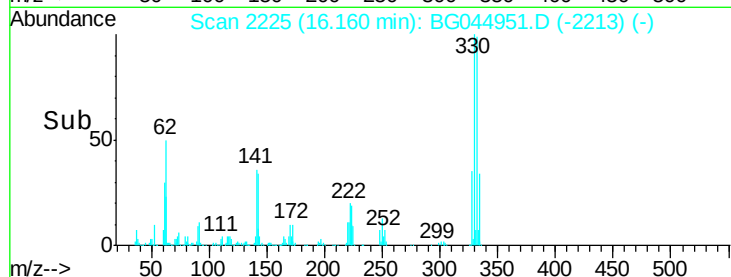
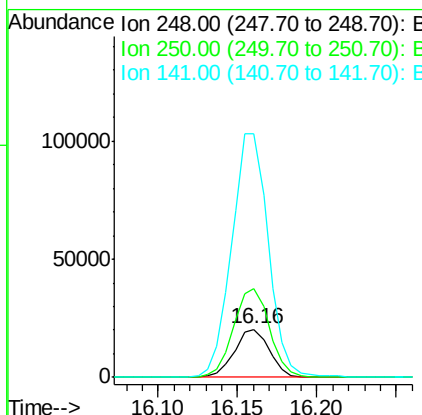
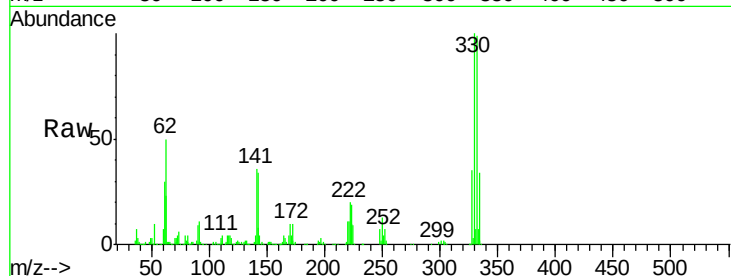




#67
 4-Bromophenyl-phenylether
 Concen: 5.29 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044951.D
 Acq: 25 Mar 2020 5:57

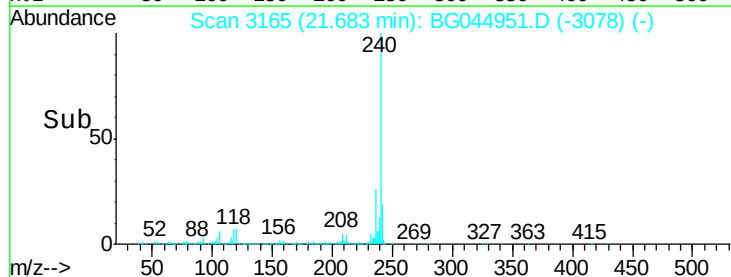
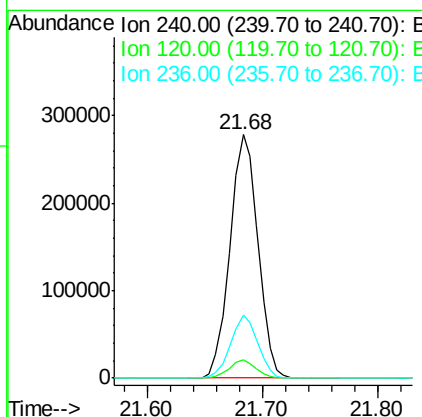
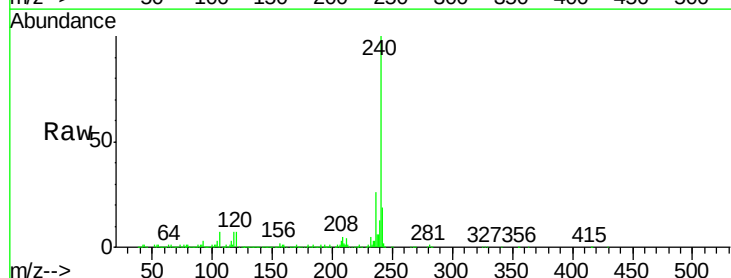
Instrument :
 BNA_G
 ClientSampleId :
 GHD1-WC-S-BC-IBC

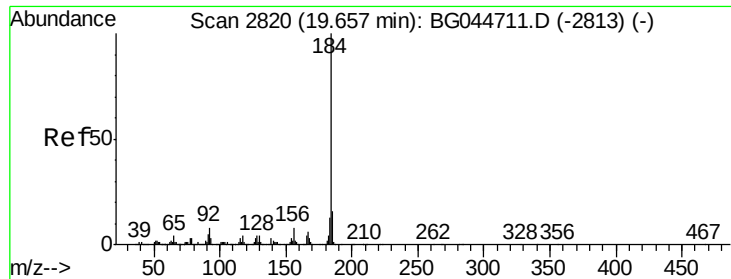
Tgt Ion:248 Resp: 31468
 Ion Ratio Lower Upper
 248 100
 250 184.9 77.9 116.9#
 141 507.1 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044951.D
 Acq: 25 Mar 2020 5:57

Tgt Ion:240 Resp: 466577
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.7 10.1
 236 26.0 21.5 32.3





#77

Benzidine

Concen: 2.18 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.26 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

Instrument :

BNA_G

ClientSampleId :

GHD1-WC-S-BC-IBC

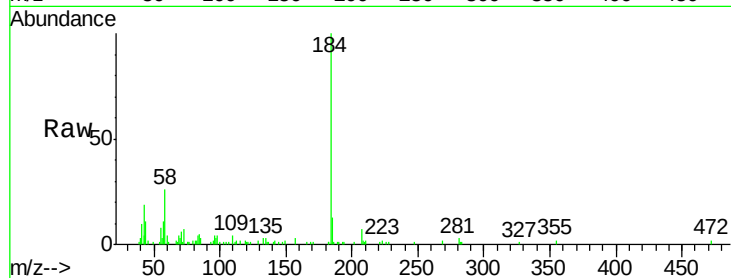
Tgt Ion:184 Resp: 33019

Ion Ratio Lower Upper

184 100

185 12.9 12.2 18.4

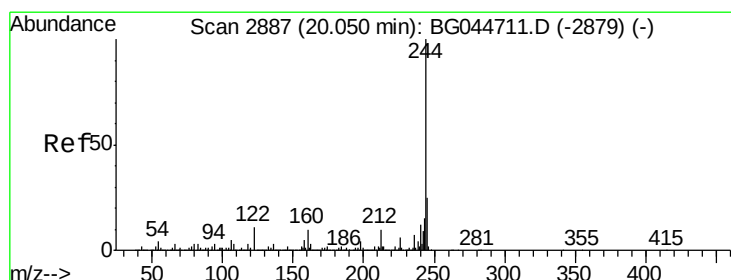
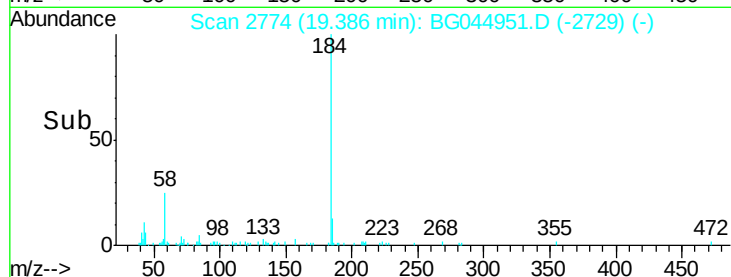
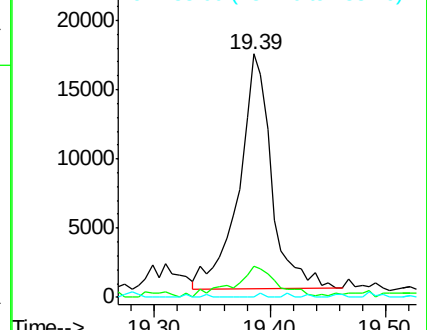
183 0.0 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 89.16 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044951.D

Acq: 25 Mar 2020 5:57

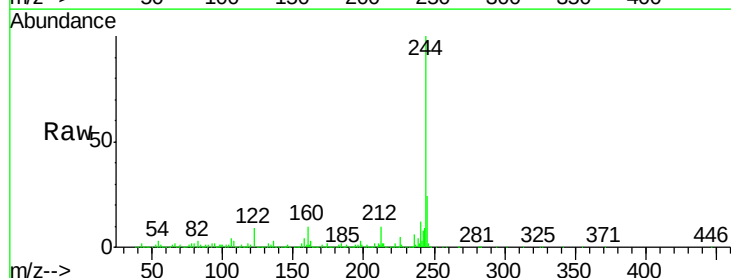
Tgt Ion:244 Resp: 2223866

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

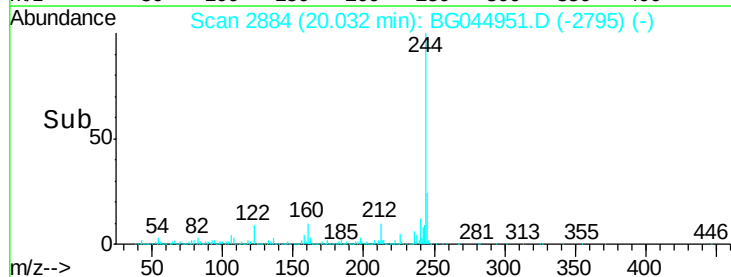
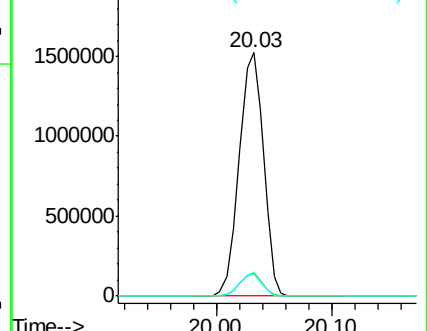
122 9.3 8.6 12.8

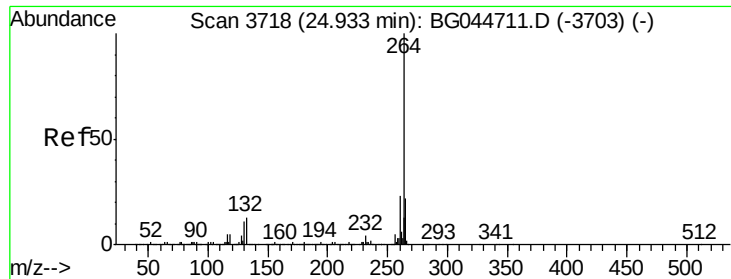


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

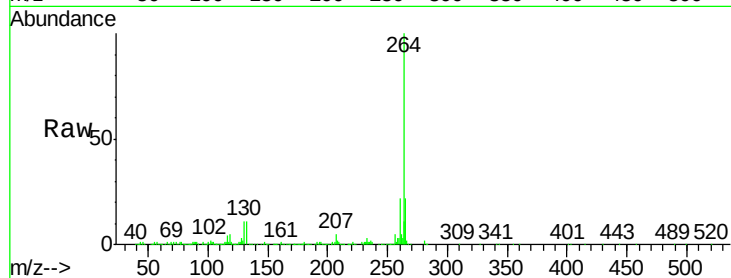




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044951.D
Acq: 25 Mar 2020 5:57

Instrument :
BNA_G
ClientSampleId :
GHD1-WC-S-BC-IBC

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	18.1	27.1
265	22.0	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

